

PATENT

PROCESS FOR PREPARING BATCH MATERIALS FOR THE
MANUFACTURE OF GLASS

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ABSTRACT

The subject of the invention is a process for manufacturing compounds based on one or more silicates of alkali metals, such as Na and K and/or alkaline earth metals such as Ca, Mg, and/or on rare earths, such as Ce, optionally in the form of mixed silicates which combine alkaline-earth metals, such as Ca, with the alkali metal(s) and the rare earth(s), by conversion of silica and of halides, especially of one or more chlorides, or sulfate or nitrate, of the said alkali metals and/or of the said rare earths and/or of the said alkaline-earth metals, such as NaCl, KCl or CeCl₄. The heat needed for the conversion is supplied, at least partly, by one or more submerged burners.

The subject of the invention is also an apparatus for carrying out the process and for its use.